2011 Differentiated Instruction Institute:
"Just Right—Right Now"—Across the Spectrum

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Differentiation in Practice: Instruction for Maximum Learning for All Students



Presenter: Sarah Armstrong, Ed.D.
Leading and Learning Solutions
Email: Sarmstrong@cyberwind.net
Website: www.leadingandlearningsolutions.com

Why Differentiate?

Because the learning experience in the classroom does not meet the needs of every child—especially Title I students.

Because students possess a wide range of interests and background knowledge

Because we underestimate talents and gifts of young people particularly when their gifts do not fit into the box called "School."

Why differentiated instruction?

"There is nothing so unequal as treating unequals equally"

Carol Tomlinson

Carol Ann Tomlinson acknowledges the challenge:

"When someone suggests that we move toward more flexible instruction, the response is often driven by uncertainty. Common responses are "I don't have time to do all those extra things" and "I don't even know where to start."

"Few people suggest that it is easy to change habits, but many people demonstrate the possibility of doing so, one step at a time...

It requires persistent intent for teachers to break old teaching habits and replace them with routines that are flexible enough to support the success of many kinds of learners."



If we are to achieve a richer culture ... we must recognize the whole gamut of human potentialities, and so weave a less arbitrary social fabric, one in which each diverse human gift will find a fitting place.

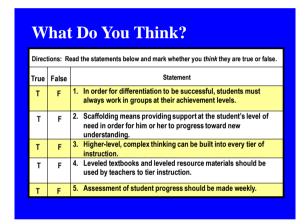
Margaret Mead

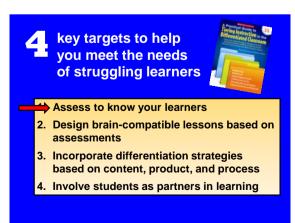


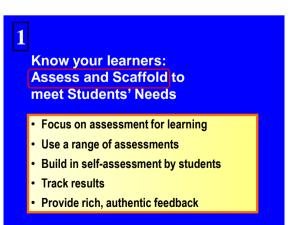
and Differentiation Specialists

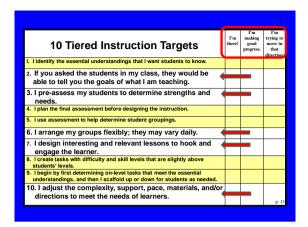
Teach All Learners Model Share Parallel Lessons Teach Lessons Small Group Station & Small (Title I) Center Group Support **Activities Extension**

Differentiation means teachers.... design instruction for all learners (Title I) take into account achievement levels, experiences and interest of students; engage learners in activities that stimulate thinking and help them make connections to prior knowledge; and, assess students daily using a variety of assessment tools.

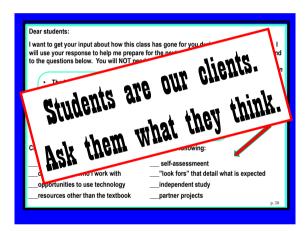








Assessment 101 Know Instructional Reading Levels Regardless of how students are assessed, having a fix on the level at which a student reads text independently, as well as his or her instructional reading level will allow you to secure the materials necessary to differentiate instruction for your particular group.



key targets to help you meet the needs of struggling learners

1. Assess to know your learners
Design brain-compatible lessons based on assessments
3. Incorporate differentiation strategies based on content, product, and process
4. Involve students as partners in learning

Design differentiated lessons with the brain in mind

Do the work "up front"

Activate prior knowledge

Plan for "attention state" adjustments

Design for rigorous engagement

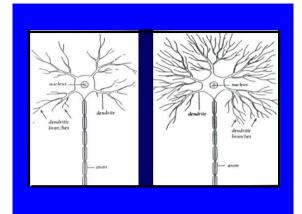
Provide rich, authentic feedback



Environment Changes the Brain Enriched environments increased cell weight increased growth of synapses Impoverished environments

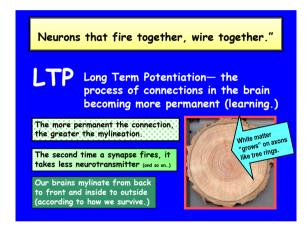
decrease in cell weight, possible loss of cells,

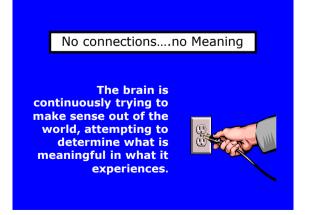
diminished growth in synapses

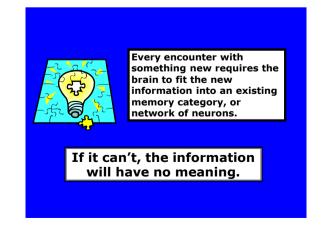


Experience sculpts the brain.

- Between the second month in utero and the age of two, each neuron in the cortex forms an average of 1.8 synapses per second.
- Which synapses remain, and which are pruned, depends on whether or not they carry any traffic. If not used, then like bus routes that attract no customers, they go out of business.



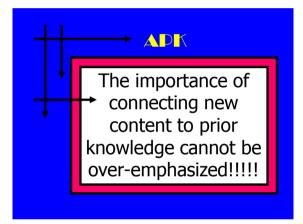


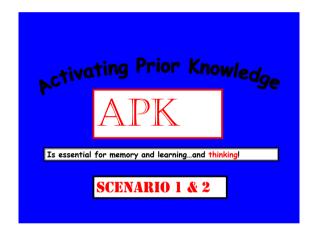


Effective instruction requires teachers to...

- •Find the experiences students have had and hook new learning to them or...
- •Create the experiences with students

- Design differentiated lessons with the brain in mind
- Do the work "up front"
 Activate prior knowledge
- Plan for "attention state" adjustments
- Design for rigorous engagement
- · Provide rich, authentic feedback





Do we know "it" when we see it?!

(page 39)

Consider these two approaches to activating prior knowledge in fifth grade social studies classes and think about which one builds more connections:

Scenario I

Teacher: "Today we will be starting a unit on the conditions in the states following the Civil War. It was a period of time referred to as Reconstruction. What do you think of when you hear the word Reconstruction?"

because it has to be constructed again."

Thank you, max. The has allother thought.

Sophie: "When a tree fell on our house in the storm, we had to reconstruct the garage roof."

Teacher: "Good connection. Can someone else give me an idea?"

Reggie: "When things are broken, like my little brother breaks my toys, I try to put them back together. Isn't that reconstruction?"

Teacher: "All these ideas tell us something about Reconstruction. Turn to page 128 in your book and let's get some more information."

Scenario 2

Teacher: "I want to show you several photographs from cities and towns that were taken during and right after the Civil War. While I do that I want you to write down descriptive words or phrases that come to mind when you see the pictures."

eacher: "Now, I want you to share these words with one or two
eople next to you and see if you can add new ones to your own

acher: "Tell me some of the words and I will write them on the art paper?"

Students: "destruction, ruin, bombed out, death, abandoned, lonely, hungry, poor, wounded, broken, destroyed, help, sad, homeless, hopeful, lost, start over"

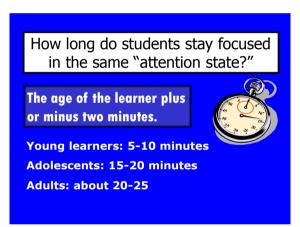
Teacher: "So...here's my question. Why is the period right after the civil war referred to as "Reconstruction?" Using what you know and additional information you might have gathered from the pictures, talk to your neighbor(s) and come up with as many areas as you can that you think needed "reconstructing?"

Students list areas and support responses.)

Teacher: "Here's a follow-up question. Have there been times i your lives when a period of "reconstruction" has existed either personally or in our country or world?"

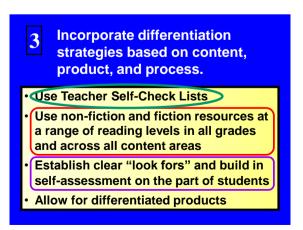




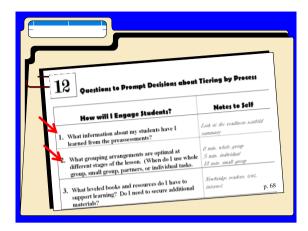


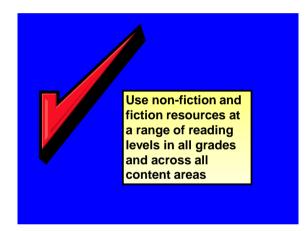






Teacher Self-Checklist for Differentiation of Content	Notes to Self
What is the content that I am to teach for this lesson or unit?	
What does the learning target tell me that students need to know and be able to do?	
Which information is most essential to the learner?	
What are the big ideas of this lesson or unit?	
What are the key vocabulary terms that students must learn?	
Are the vocabulary terms part of each student's existing background knowledge or will I need to build this understanding for all or a portion of the class?	j
If a portion, which students will need to have additional support to acquire content vocabulary?	
How will I determine what my students know already so I can build upon (scaffold) their learning?	
Can related content be brought in to expand thinking and provide	p. 54







Establish clear "LOOK FORS"

Students perform at their highest levels when they are very clear about expectations. Criteria lists or "look fors" for class work and projects guide students and serve as tools for selfmonitoring.

Involve Students as Partners in Learning

- Work with students to ensure relevance of content
- 2. Survey interest areas
- 3. Complete "I Can" Self-Assessments
- 4. Journal about "What Works/What Doesn't" in class
- 5. Involve students in creating assessments/tests to be used for a grade

Student's Writers Workshop Look Fors			
	1		
I know my audience for writing.	<u>u</u>	(
I write for different reasons.	<u> </u>	@	
I talk to a friend or a teacher to help me with my ideas.	<u>:</u>	©	
I edit my writing to make it more readable.	3)	(
I use rich vocabulary when I write	<u>:</u>	<u>(0)</u>	
udents work in pairs to identify ten key facts o volution. As a group, the teacher and students ost important facts/concepts. These items are	compil	e the	

Skills in Build It-3D	Very Confident	Somewhat Confident	Still Need Help
I can use a protractor.			
I can find the sum of angles of triangles and quadrilaterals.			
I can explain when and why shapes are congruent.			
I can sort triangles and quadrilaterals.			

Self-Assessment for Teachers

